

Title (en)
Container having expanding or contracting end closure

Title (de)
Behälter mit einem dehnbaren oder einziehbaren Verschluss

Title (fr)
Récipient avec une fermeture gonflable ou contractable

Publication
EP 1029794 A1 20000823 (EN)

Application
EP 00301004 A 20000209

Priority
US 25308799 A 19990219

Abstract (en)
A container (10) has a movable end closure (18) for accommodating expansion or contraction of the product (8) packaged therein. The container includes a hollow body portion (12) with opposed open ends and an inside surface and an end closure positioned at each of the open ends of the hollow body portion and secured thereto for closing the container with product contained therein. One of the end closures is of a generally cup-shaped configuration and has a radially-extending central portion (21) of generally the same configuration and dimensions as the inside surface of the body portion and an accordion-folded sidewall (22) extending axially from the central portion toward the body portion open end to define a free end area secured to the inside surface of the body portion at the open end. This end closure is positioned so that the central portion may axially move along the body portion inside surface toward or away from the body portion open end by contraction or expansion of the end closure accordion-folded side wall to increase or decrease the effective volume of space within the container. <IMAGE>

IPC 1-7
B65D 3/10; B65D 79/00

IPC 8 full level
B65D 79/00 (2006.01)

CPC (source: EP US)
B65D 79/0087 (2020.05 - EP US)

Citation (search report)

- [XY] NL 6810059 A 19690715
- [Y] US 4836400 A 19890606 - CHAFFEY WAYNE P [US], et al
- [Y] WO 8807481 A1 19881006 - TOUZANI WILLIAM [US]
- [X] FR 1389226 A 19650212 - MAUSER KG
- [A] EP 0208352 A1 19870114 - WAVIN BV [NL]

Cited by
WO2008058579A1

Designated contracting state (EPC)
BE DE FR GB

DOCDB simple family (publication)
US 6053400 A 20000425; CA 2298226 A1 20000819; DE 60002925 D1 20030703; EP 1029794 A1 20000823; EP 1029794 B1 20030528

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